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 Check to search within this result set**Results Key:****JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard**1 Content layer progressive coding of digital maps***Forchhammer, S.; Jensen, O.R.;*Image Processing, IEEE Transactions on , Volume: 11 , Issue: 12 , Dec. 2002
Pages:1349 - 1356[\[Abstract\]](#) [\[PDF Full-Text \(819 KB\)\]](#) **IEEE JNL****2 Classifying images collected on the World Wide Web***Oliveira, C.J.S.; De Albuquerque Araujo, A.; Severiano, C.A., Jr.; Ribeiro Gon D.;*Computer Graphics and Image Processing, 2002. Proceedings. XV Brazilian Symposium on , 7-10 Oct. 2002
Pages:327 - 334[\[Abstract\]](#) [\[PDF Full-Text \(1858 KB\)\]](#) **IEEE CNF****3 Proposal of a classifier of images collected in the World Wide Web***Oliveira, C.J.S.; de A Araujo, A.; Severiano, C.A., Jr.; Gomes, D.R.;*Computer Graphics and Image Processing, 2001 Proceedings of XIV Brazilian Symposium on , 15-18 Oct. 2001
Pages:395[\[Abstract\]](#) [\[PDF Full-Text \(67 KB\)\]](#) **IEEE CNF****4 Content progressive coding of limited bits/pixel images***Jensen, O.R.; Forchhammer, S.;*Multimedia Signal Processing, 1999 IEEE 3rd Workshop on , 13-15 Sept. 1999
Pages:419 - 424[\[Abstract\]](#) [\[PDF Full-Text \(409 KB\)\]](#) **IEEE CNF**

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1 Competitive advantage on the World Wide Web: a webmaster's guide

Merrill E. Warkentin

October 1995 **ACM SIGAPP Applied Computing Review**, Volume 3 Issue 2

Full text available:  pdf(779.01 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

As the importance of the World Wide Web continues to grow, firms are seeking innovative ways to leverage the technology for competitive advantage. Firms are implementing web-based systems for internal and external information dissemination and for digital interactivity, including commerce. This paper highlights some of these uses of the web and addresses managerial and technical considerations when initiating a web site project, both on the server side and client side of the web. The focus is on ...

Keywords: digital commerce, internet security, intranet, web design, web server

2 User interface requirements for authentication of communication

Audun Jøsang, Mary Anne Patton

February 2003 **Proceedings of the Fourth Australian user interface conference on User interfaces 2003 - Volume 18**

Full text available:  pdf(375.46 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Authentication is a security service that consists of verifying that someone's identity is as claimed. There are a number of challenges to presenting information from the authentication process to the user in a way that is meaningful and ensures security. We show examples where authentication requirements are not met, due to user behaviour and properties of existing user interfaces, and suggest some solutions to these problems.

Keywords: authentication, non-repudiation, security, usability, user interface

3 Applying Tufte's principles of information design to creating effective Web sites

Beverly B. Zimmermann

October 1997 **Proceedings of the 15th annual international conference on Computer documentation**

Full text available:  pdf(926.69 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: document design, home pages, informationdesign, web page design

4 Developing trust in internet commerce

Ildemaro Araujo, Iván Araujo

October 2003 **Proceedings of the 2003 conference of the Centre for Advanced Studies conference on Collaborative research**

Full text available:  pdf(140.49 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Since the success of Web-based businesses depends essentially on their customers, consumers' trust is critical for Internet commerce. This article outlines essential issues that may affect customers' trust on Web sites or vendors. It also discusses key elements that can be used to improve the visitors' sense of trustworthiness on Web sites.

5 CEPE 2000: An ethical evaluation of web site linking

Richard A. Spinello

December 2000 **ACM SIGCAS Computers and Society**, Volume 30 Issue 4

Full text available:  pdf(908.05 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

As the World Wide Web has grown in popularity, the propriety of linking to other web sites has achieved some prominence as an important moral and legal issue. Hyperlinks represent the essence of Web-based activity, since they facilitate navigation in a unique and efficient fashion. But the pervasive activity of linking has generated notable controversies. While most sites welcome and support incoming links, others block them or seek to license them in some way. Particularly problematic are so-ca ...

6 The perfect search engine is not enough: a study of orienteering behavior in directed search

Jaime Teevan, Christine Alvarado, Mark S. Ackerman, David R. Karger

April 2004 **Proceedings of the 2004 conference on Human factors in computing systems**

Full text available:  pdf(322.19 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper presents a modified diary study that investigated how people performed personally motivated searches in their email, in their files, and on the Web. Although earlier studies of directed search focused on keyword search, most of the search behavior we observed did not involve keyword search. Instead of jumping directly to their information target using keywords, our participants navigated to their target with small, local steps using their contextual knowledge as a guide, even when the ...

Keywords: context, information seeking, observational study, orienteering, search, teleporting

7 Resources section: web sites

Michele Tepper

May 1998 **netWorker**, Volume 2 Issue 2

Full text available:  pdf(35.02 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

8 Designing two nonprofit Web sites on less than \$350 US per year each

Carl Stieren, Zbigniew Rachniowski

October 1996 **Proceedings of the 14th annual international conference on Systems documentation: Marshaling new technological forces: building a corporate, academic, and user-oriented triangle**

Full text available:  pdf(915.29 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

9 Model-driven development of Web applications: the AutoWeb system 

Piero Fraternali, Paolo Paolini

October 2000 **ACM Transactions on Information Systems (TOIS)**, Volume 18 Issue 4

Full text available:  pdf(6.94 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes a methodology for the development of WWW applications and a tool environment specifically tailored for the methodology. The methodology and the development environment are based upon models and techniques already used in the hypermedia, information systems, and software engineering fields, adapted and blended in an original mix. The foundation of the proposal is the conceptual design of WWW applications, using HDM-lite, a notation for the specification of structure, nav ...

Keywords: HTML, WWW, application, development, intranet, modeling

10 Fast multiresolution image querying 

Charles E. Jacobs, Adam Finkelstein, David H. Salesin

September 1995 **Proceedings of the 22nd annual conference on Computer graphics and interactive techniques**

Full text available:  pdf(529.14 KB)

 ps(211.52 KB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: content-based retrieval, image databases, image indexing, image metrics, query by content, query by example, similarity retrieval, sketch retrieval, wavelets

11 Security in mobile communications: challenges and opportunities 

Audun Jøsang, Gunnar Sanderud

January 2003 **Proceedings of the Australasian information security workshop conference on ACSW frontiers 2003 - Volume 21**

Full text available:  pdf(117.04 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The nature of mobile communication, characterised for example by terminals having poor user interface and limited processing capacity, as well as complex combination of network protocols, makes the design of security solutions particularly challenging. This paper discusses some of the difficulties system architects are faced with as well as some advantages mobile networks offer when designing security solutions for mobile communication.

Keywords: heterogeneous networks, mobile devices, security, usability

12 PicASHOW: pictorial authority search by hyperlinks on the Web 

Ronny Lempel, Aya Soffer

April 2001 **Proceedings of the tenth international conference on World Wide Web**

Full text available:  pdf(633.77 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: hubs and authorities, image hubs, image retrieval, link structure analysis

13 PicASHOW: pictorial authority search by hyperlinks on the webJanuary 2002 **ACM Transactions on Information Systems (TOIS)**, Volume 20 Issue 1Full text available:  pdf(436.32 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

We describe PicASHOW, a fully automated WWW image retrieval system that is based on several link-structure analyzing algorithms. Our basic premise is that a page p displays (or links to) an image when the author of p considers the image to be of value to the viewers of the page. We thus extend some well known link-based WWW *page retrieval* schemes to the context of image retrieval. PicASHOW's analysis of the link structure enables it to retrieve relevant images even when those ...

Keywords: Image retrieval, hubs and authorities, image hubs, link structure analysis

14 Blink response, visual attention, and the www: Visual attention to repeated internet images: testing the scanpath theory on the world wide web

Sheree Josephson, Michael E. Holmes

March 2002 **Proceedings of the symposium on Eye tracking research & applications**Full text available:  pdf(621.35 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

The somewhat controversial and often-discussed theory of visual perception, that of scanpaths, was tested using Web pages as visual stimuli. In 1971, Noton and Stark defined "scanpaths" as repetitive sequences of fixations and saccades that occur upon re-exposure to a visual stimulus, facilitating recognition of that stimulus. Since Internet users are repeatedly exposed to certain visual displays of information, the Web is an ideal stimulus to test this theory. Eye-movement measures were recorded ...

Keywords: Eye movement, Internet imagery, World Wide Web, eye tracking, optimal matching analysis, scanpath, sequence comparison, string editing

15 Editing online documents: The persuasive power of *pathos* in e-commerce web design: a new area for research

Wendy Winn

September 2000 **Proceedings of IEEE professional communication society international professional communication conference and Proceedings of the 18th annual ACM international conference on Computer documentation: technology & teamwork**Full text available:  pdf(298.51 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

In a matter of months, we have witnessed the meteoric rise and fall of e-commerce. Now that the dust is settling, it is time to examine how some companies are succeeding where others have failed. In this paper I suggest that good web design is vital to e-business and that pathos (emotional appeal) plays a key role in a design's persuasive power. Advertisers have long understood this concept. As e-commerce attempts to revolutionize the business world, let class rhetoric serve as the theoretical f ...

16 Annotation-based transcoding for nonvisual web access

Chieko Asakawa, Hironobu Takagi

November 2000 **Proceedings of the fourth international ACM conference on Assistive technologies**Full text available:  pdf(451.21 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: blind, commentary annotation, nonvisual web access, structural annotation, transcoding system

17 Web Site Analysis: Designing online banner advertisements: should we animate?

Michelle E. Bayles

April 2002 **Proceedings of the SIGCHI conference on Human factors in computing systems: Changing our world, changing ourselves**

Full text available:  pdf(336.77 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A common medium for advertising on the Internet is the use of banner ads. This study investigates recall and recognition of animated banner advertisements in an attempt to identify design guidelines. It was hypothesized that animation would increase recall and recognition of novel ads by increasing user awareness. No significant relationships were found between the use of animation and ability to recall and recognize banner ads. Results indicate that animation does not enhance user memory of onl ...

Keywords: animation, banner ads, online advertisements, recall, recognition

18 Web and e-business application: User adaptive content delivery mechanism on the world wide web

Tadashi Nakano, Kaname Harumoto, Shinji Shimojo, Shojiro Nishio

March 2002 **Proceedings of the 2002 ACM symposium on Applied computing**

Full text available:  pdf(1.00 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

To reduce the user-perceived latency in web content delivery, many techniques have been proposed. One is a transmission time control mechanism that automatically adjusts the quality of inline objects, such as images on a web page, according to the client network bandwidth. Another is a transmission order control mechanism that can transmit inline objects in a specified order preferred by users. In this paper, we describe the development of a user adaptive content delivery mechanism that integrat ...

Keywords: HTTP extension, WWW, content adaptation, content delivery, quality of service, transmission order control, transmission time control, user profile

19 Localization of web content

Daniel Brandon

December 2001 **Journal of Computing Sciences in Colleges**, Volume 17 Issue 2

Full text available:  pdf(266.53 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

20 Timing attacks on Web privacy

Edward W. Felten, Michael A. Schneider

November 2000 **Proceedings of the 7th ACM conference on Computer and communications security**

Full text available:  pdf(184.79 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

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1 Context-aware Web Information Systems

Aleksander Binemann-Zdanowicz, Roland Kaschek, Klaus-Dieter Schewe, Bernhard Thalheim
 January 2004 **Proceedings of the first Asian-Pacific conference on Conceptual modelling - Volume 31**

Full text available: pdf(413.81 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Apart from completeness usability, performance and maintainability are the key quality aspects for Web information systems. Considering usability as key implies taking usage processes into account right from the beginning of systems development. Context-awareness appears as a promising idea for increasing usability of Web Information Systems. In the present paper we propose an approach to context-awareness of Web Information Systems that systematically distinguishes among the various important k ...

Keywords: SiteLang, Web Information Systems, Web services, context-aware information systems, media objects

2 Broadcast news navigation using story segmentation

Andrew Merlino, Daryl Morey, Mark Maybury
 November 1997 **Proceedings of the fifth ACM international conference on Multimedia**

Full text available: pdf(1.22 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**3 Designing two nonprofit Web sites on less than \$350 US per year each**

Carl Stieren, Zbigniew Rachniowski
 October 1996 **Proceedings of the 14th annual international conference on Systems documentation: Marshaling new technological forces: building a corporate, academic, and user-oriented triangle**

Full text available: pdf(915.29 KB) Additional Information: [full citation](#), [references](#), [index terms](#)**4 The CHI97 CHIkids program: a partnership between kids, adults and technology**

Allison Druin
 September 1997 **interactions**, Volume 4 Issue 5

Full text available: pdf(5.51 MB) Additional Information: [full citation](#), [citations](#), [index terms](#)

5 Is a picture worth a thousand words?: an evaluation of information awareness displays

Christopher Plaue, Todd Miller, John Stasko

May 2004 **Proceedings of the 2004 conference on Graphics interface**

Full text available:  pdf(1.54 MB) Additional Information: [full citation](#), [abstract](#), [references](#)

What makes a peripheral or ambient display more effective at presenting awareness information than another? Presently, little is known in this regard and techniques for evaluating these types of displays are just beginning to be developed. In this article, we focus on one aspect of a peripheral display's effectiveness---its ability to communicate information at a glance. We conducted an evaluation of the InfoCanvas, a peripheral display that conveys awareness information graphically as a form of ...

Keywords: ambient display, awareness information, empirical evaluation, information visualization, peripheral display

6 Discourse cues for broadcast news segmentation

Mark T. Maybury

August 1998

Full text available:  pdf(377.76 KB)  Publisher Site Additional Information: [full citation](#), [abstract](#), [references](#)

This paper describes the design and application of time-enhanced, finite state models of discourse cues to the automated segmentation of broadcast news. We describe our analysis of a broadcast news corpus, the design of a discourse cue based story segmentor that builds upon information extraction techniques, and finally its computational implementation and evaluation in the Broadcast News Navigator (BNN) to support video news browsing, retrieval, and summarization.

7 User interface directions for the Web

Jakob Nielsen

January 1999 **Communications of the ACM**, Volume 42 Issue 1

Full text available:  pdf(421.52 KB)  html(35.34 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)

8 Analysis of student Web browsing behavior: implications for designing and evaluating

Web sites

Eva M. Thury

September 1998 **Proceedings of the 16th annual international conference on Computer documentation**

Full text available:  pdf(748.42 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

9 TechKnowledge: efficiently and cost-effectively supporting users

Amy Reeter, Todd Krupa

November 2002 **Proceedings of the 30th annual ACM SIGUCCS conference on User services**

Full text available:  pdf(1.06 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

For more than 20 years, the information technology organization at the University of Missouri-Columbia (MU) published an on-campus newsletter. Content ranged from cute

tidbits to pages of programming code for hard-core COBOL readers. Information & Access Technology Services (IAT Services) identified several requirements for a publication focusing on campus technology developments and increasing awareness of technology opportunities and applications. The publication sought to be timely, cost-effic ...

Keywords: advertising, communication, editorial, magazine, marketing, news, promotional, publication

10 At the forge: Bricolage templates

Reuven M. Lerner

March 2004 **Linux Journal**, Volume 2004 Issue 119

Full text available:  [html\(19.43 KB\)](#) Additional Information: [full citation](#)



11 Technical Session: Saving users from themselves: creating an effective student-oriented anti-virus intervention

Kevin Davis

October 2001 **Proceedings of the 29th annual ACM SIGUCCS conference on User services**

Full text available:  [pdf\(270.47 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)



The proliferation of computer viruses, Trojans, and other malicious code in recent years has presented a serious challenge to higher education computer services support programs. Outside of higher education, most IT departments mandate anti-virus policies through central management of end-user systems and software. In an academic environment where student systems are owned by the users and not institutions, however, such an approach is not always tenable, and the weaker forces of user education, ...

Keywords: McAfee VirusScan, anti-virus, computer security, intervention, residential computing support, user services

12 Applying Tufte's principles of information design to creating effective Web sites

Beverly B. Zimmermann

October 1997 **Proceedings of the 15th annual international conference on Computer documentation**

Full text available:  [pdf\(926.69 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)



Keywords: document design, home pages, informationdesign, web page design

13 Blink response, visual attention, and the www: Visual attention to repeated internet images: testing the scanpath theory on the world wide web

Sheree Josephson, Michael E. Holmes

March 2002 **Proceedings of the symposium on Eye tracking research & applications**

Full text available:  [pdf\(621.35 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)



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test this theory. Eye-movement measures were recorded ...

Keywords: Eye movement, Internet imagery, World Wide Web, eye tracking, optimal matching analysis, scanpath, sequence comparison, string editing

14 Publishing or programming?: a framework for the development and presentation of work by children on the World Wide Web

Judy Keiner

August 1997 **ACM SIGGRAPH Computer Graphics**, Volume 31 Issue 3

Full text available:  pdf(227.50 KB) Additional Information: [full citation](#), [index terms](#)



15 Copyright law meets the World Wide Web

Matt Rosenberg

November 1995 **Crossroads**, Volume 2 Issue 2

Full text available:  html(25.96 KB) Additional Information: [full citation](#), [index terms](#)



16 Web Site Analysis: Designing online banner advertisements: should we animate?

Michelle E. Bayles

April 2002 **Proceedings of the SIGCHI conference on Human factors in computing systems: Changing our world, changing ourselves**

Full text available:  pdf(336.77 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A common medium for advertising on the Internet is the use of banner ads. This study investigates recall and recognition of animated banner advertisements in an attempt to identify design guidelines. It was hypothesized that animation would increase recall and recognition of novel ads by increasing user awareness. No significant relationships were found between the use of animation and ability to recall and recognize banner ads. Results indicate that animation does not enhance user memory of onl ...

Keywords: animation, banner ads, online advertisements, recall, recognition



17 P5: Issues of content and structure for a multilingual web site

Shihong Huang, Scott Tilley

October 2001 **Proceedings of the 19th annual international conference on Computer documentation**

Full text available:  pdf(391.88 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



Most content on the Web today is in English, but the majority of the Earth's peoples speak languages other than English. To reach a wider audience, future Web sites will have to be multilingual, changing a Web site from one that is American-centric and single-language to one that is globally-oriented and multilingual. While the challenges in creating and maintaining a high-quality Web site in a single language are considerable, working with multiple languages simultaneously creates special chall ...

Keywords: content management, multilingual, software engineering, structure, web site



18 DUX in practice I: Making an iMpact: redesigning a business school Web site around performance metrics

Tom Brinck, Seunghee S. Ha, Nick Pritula, Kara Lock, Alfred Speredelozzi, Mike Monan
June 2003 **Proceedings of the 2003 conference on Designing for user experiences**

Full text available:  pdf(446.93 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

The University of Michigan Business School went through a substantial redesign in 2002--2003 of their site of over 3,000 pages, with a focus on increased ease of use, clean, professional design, improved branding, reduction of Web sprawl, and integration of their public site with their intranet, called iMpact. The site serves a range of users with varying needs, including faculty, students, staff, alumni, prospective students, media, and recruiters. Our redesign process was ground ...

Keywords: brand building, experience strategy, graphic design, information architecture, interaction design, intranet design, multidisciplinary design/interdisciplinary design, performance metrics, user experience, user interface design, user research, user-centered design/human-centered design, visual design, web site design.

19 Focusing on user-to-product relationships: Girls as space game designers: extreme baseline research 

Carrie Heeter, Brian Winn, Rhonda Egidio, Punya Mishra, Norm Lownds

June 2003 **Proceedings of the 2003 conference on Designing for user experiences**

Full text available:  pdf(131.12 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

This NSF-funded two-year research project explores gender and age differences in attitudes toward technology, space exploration, game design, and learning from games. In addition to rigorously testing the proposition that all-girl design teams will envision substantively different education game experiences than all-boy design teams, this project will provide extremely elaborate baseline research to inform future design of highly entertaining learning games. By June 2003, we will have spent five ...

Keywords: age differences, cognitive psychology, ethnography/ethnographic studies, experience design, experience interaction design, game design, gender differences, learning, participatory design, user experience, user interface design, user research, user-centered design/human-centered design

20 Information Retrieval: Improving pseudo-relevance feedback in web information retrieval using web page segmentation 

Shipeng Yu, Deng Cai, Ji-Rong Wen, Wei-Ying Ma

May 2003 **Proceedings of the twelfth international conference on World Wide Web**

Full text available:  pdf(275.88 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In contrast to traditional document retrieval, a web page as a whole is not a good information unit to search because it often contains multiple topics and a lot of irrelevant information from navigation, decoration, and interaction part of the page. In this paper, we propose a VISION-based Page Segmentation (VIPS) algorithm to detect the semantic content structure in a web page. Compared with simple DOM based segmentation method, our page segmentation scheme utilizes useful visual cues to obtain ...

Keywords: page segmentation, query expansion, relevance feedback, web information retrieval

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